

AMENDMENT TO THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) An OLED device ~~having at least one pixel~~, comprising:
at least one pixel;

a planar light coupling layer having a front surface and a back surface, said layer having a thickness T ,

a light emitting portion for each pixel, disposed on the back surface of the light coupling layer; and

a microlens for each pixel, having a radius of curvature R , disposed on the front surface of the light coupling layer such that its ~~centre~~ center of curvature is within the light coupling layer,

wherein the radius of curvature R and the thickness T are such that $R = xT$, where x has a value in the range from 0.2 to 0.8.

2. (Currently Amended) An OLED device according to claim 1, being a bottom emitter in which the light coupling layer is a planar substrate, and comprising:

a planar substrate having a front surface and a back surface, said substrate having a substrate thickness T ;

a light emitting portion for each pixel, disposed on the back surface of the substrate;
and

a microlens for each pixel, having a radius of curvature R , disposed on the front surface of the substrate such that its ~~centre~~ center of curvature is within the substrate, wherein

the radius of curvature R and the substrate thickness T are such that $R = xT$, ~~where x has a value in the range from 0.2 to 0.8.~~

3. (Currently Amended) An OLED device according to claim 1, being a top emitter in which the light coupling layer is an encapsulating layer, and comprising:

- a planar substrate having a front surface and a back surface;
- a light emitting portion for each pixel, disposed on the front surface of the substrate;
- an encapsulating layer disposed over the light emitting portion and on the front surface of the substrate, the encapsulating layer having a front surface and a back surface, said encapsulating layer having an encapsulant thickness T ; and
- a microlens for each pixel, having a radius of curvature R , disposed on the front surface of the encapsulating layer such that its ~~centre~~ center of curvature is within the encapsulating layer;

~~wherein the radius of curvature R and the encapsulant thickness T are such that $R = xT$, where x has a value in the range from 0.2 to 0.8.~~

4. (Currently Amended) An OLED device according to ~~any preceding~~ claim 1, wherein the microlens is ~~centred~~ centered over the light emitting portion.

5. (Currently Amended) An OLED device according to ~~any preceding~~ claim 1, wherein x is in the range from 0.4 to 0.6.

6. (Original) An OLED device according to claim 5, wherein x is in the range from 0.45 to 0.6.
7. (Original) An OLED device according to claim 6, wherein x is in the range from 0.47 to 0.55.
8. (Original) An OLED device according to claim 7, wherein x is in the range from 0.49 to 0.55.
9. (Original) An OLED device according to claim 8, wherein x is 0.5.
10. (Currently Amended))An OLED device according to ~~any of claims~~ claim 1 to 9, wherein the microlens is a planoconvex lens.
11. (Currently Amended) An OLED device according to ~~any of claims~~ claim 1 to 9, wherein the microlens is a Fresnel lens.
12. (Currently Amended) An OLED device according to ~~any preceding~~ claim 1, wherein the light coupling layer is of a material having a refractive index in the range from 1.40 to 1.60.

13. (Currently Amended) An OLED device according to ~~any preceding~~ claim 1, wherein the microlens is of a material having a refractive index in the range from 1.40 to 1.60.

14. (Currently Amended) An OLED device according to ~~any preceding~~ claim 1, wherein the material of at least one of the light coupling layer ~~or of~~ and the microlens, ~~or of both~~, is glass or polycarbonate.

15. (Original) An OLED device according to claim 14, wherein the material is glass having a refractive index in the range from 1.49 to 1.53.

16. (Currently Amended) An OLED device according to ~~any preceding~~ claim 1, wherein the light coupling layer defines an array of pixels having a pixel pitch P , and each microlens is disposed on the front surface of the light coupling layer such that its ~~centre~~ center of curvature within the light coupling layer is at, or at a distance D from, the front surface of the light coupling layer such that $D = zT$ wherein $D = R\sqrt{1 - 1/(2y^2)}$; y is defined by R/P ; and $z = 0.2-0.8$.

17. (Original) An OLED device according to claim 16, wherein the thickness T and the pixel pitch P are such that $T = aP$, where a has a value in the range from 0.4 to 2.5.

18. (Original) An OLED device according to claim 17, wherein the pixel pitch P is in the range from 0.2 to 0.4 mm and the thickness T is in the range from 0.3 to 1.0 mm.